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# MAGNETIC RECORDING MEDIUM

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**Publication date:** 1988-06-03

**Inventor(s):** YOSHIHARA SHINRO; UMEZAKI HIROSHI +

**Applicant(s):** SUMITOMO CHEMICAL CO +

**Classification:**

**- international:** *C09D101/18; C09D127/06; C09D175/04; C10M103/06; G11B5/73; G11B5/735; C10N10/06; C10N40/18; C09D101/00; C09D127/02; C09D175/04; C10M103/00; G11B5/62; (IPC1-7): G11B5/704*

**- European:**

**Application number:** JP19860278479 19861120

**Priority number(s):** JP19860278479 19861120

## Abstract of JP 63131321 (A)

**PURPOSE:**To obviate degradation of surface smoothness, running stability and wear resistance even after long-term traveling by adding and using specific alumina hydrate to and for a back coating layer. **CONSTITUTION:**The back coating layer contains the alumina hydrate expressed by the general formula  $Al_2O_3 \cdot xH_2O$  ( $x$  is 2.9-0.1). the alumina hydrate to be used is transition alumina of  $\alpha-Al_2O_3$ ,  $\kappa-Al_2O_3$ , boehmite,  $\rho-Al_2O_3$ ,  $\gamma-Al_2O_3$  and  $\theta-Al_2O_3$  having hexagonal planar crystal structure of the mixture composed thereof. The particle sizes of the alumina expressed by the general formula  $Al_2O_3 \cdot xH_2O$  are about  $\leq 2\mu m$ , more preferably  $\leq 1\mu m$  and the alumina having 0.3-1.0 $\mu m$  particle size is usually used. The magnetic recording medium which has the excellent surface smoothness, running stability and wear resistance, obviates the degradation thereof even after long-term running and obviates the degradation of the magnetic characteristics is obtd.

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# Family list

1 application(s) for: **JP63131321 (A)**

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**EC:**

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